

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E60442

**Participation :** CTR

**Employer :** Hewlett-Packard Company

**Status :** Affected

**Worksite :** Hewlett-Packard Company

**Survey Type :** Online

**Street :** 18110 Se 34th St

**Response Rate :** 59%

**Jurisdiction :** City of Vancouver

**Survey Date :** 5/19/2017

### Non-Drive Alone & One-Way VMT Rates at this Worksite

**Non-Drive Alone Rate :** 29.2%

**Drive Alone Rate :** 70.8%

**One-Way VMT per employee :** 8.4

**Average One-Way distance home to work :** 10.8

### Employees and Survey Response Information

**Reported Total Employees at Worksite:** 995

**Surveys Distributed :** 853

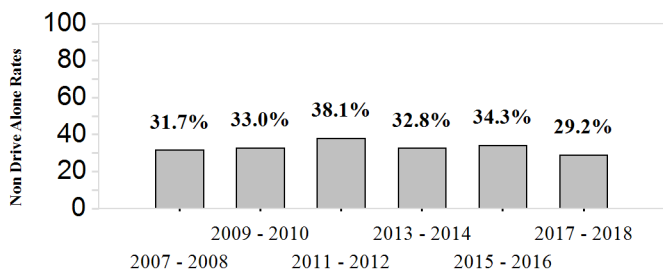
**Surveys Returned :** 505

**Surveys Returned by CTR Affected\* Employees :** 467

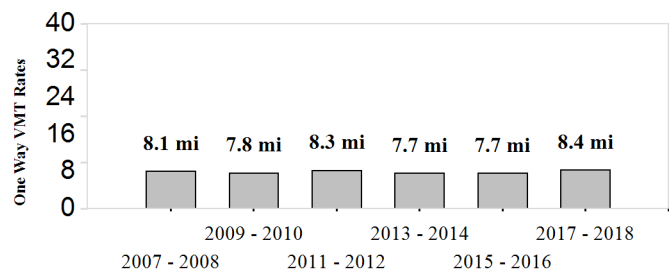
**Total Estimated CTR Affected Employees at Worksite :** 789

*\*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

#### Non Drive Alone Rates - ALL Employees



#### One Way VMT per Employee - ALL Employees



### Site History and Targets

#### Annual Metric Tons CO<sub>2</sub>e Pounds CO<sub>2</sub>e

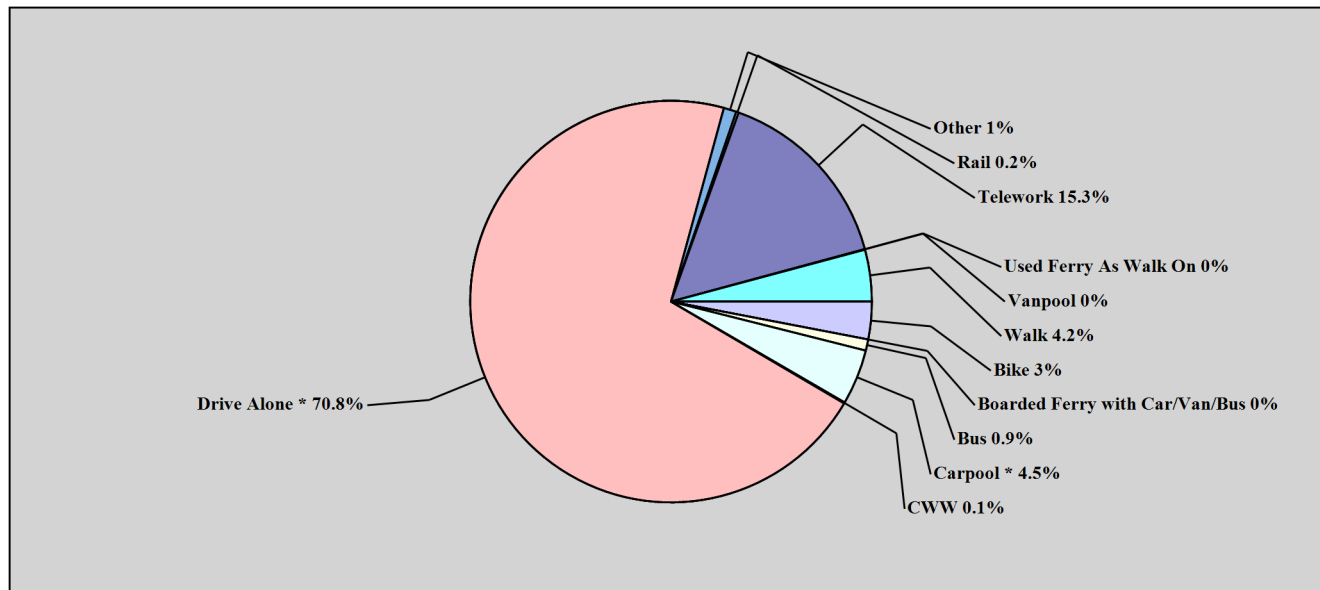
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	31.7%	32.1%	1167	2235	19.8	8.1	8.0
2009 - 2010	33.0%	34.0%	658	1789	15.9	7.8	7.8
2011 - 2012	38.1%	37.9%	808	2546	22.6	8.3	8.1
2013 - 2014	32.8%	33.0%	585	1098	9.7	7.7	7.8
2015 - 2016	34.3%	35.0%	811	1460	12.9	7.7	7.7
2017 - 2018	29.2%	29.6%	914	1800	16.0	8.4	8.5
Target	37.7%				Target:	6.6	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-2.5				% Change from Baseline:	3.7%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

## Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



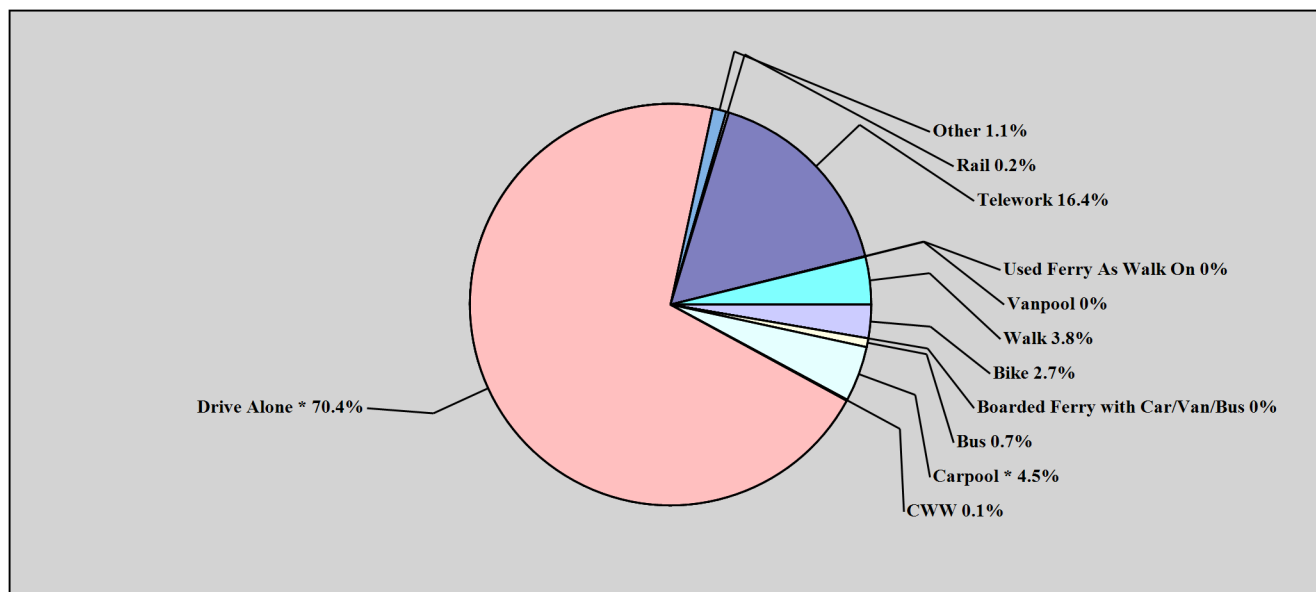
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,732	70.8%	65.7%	421	83.4%	73.9%
Carpool *	109	4.5%	5.6%	37	7.3%	7.8%
Vanpool	1	0.0%	0.0%	1	0.2%	0.0%
Bus	22	0.9%	0.7%	6	1.2%	0.8%
Rail	5	0.2%	0.0%	1	0.2%	0.0%
Bike	74	3.0%	2.5%	27	5.3%	3.7%
Walk	102	4.2%	2.8%	28	5.5%	3.5%
Telework	375	15.3%	21.4%	141	27.9%	28.7%
CWW	2	0.1%	0.4%	2	0.4%	1.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	25	1.0%	0.8%	6	1.2%	1.6%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

## Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,596	70.4%	65.0%	389	83.3%	73.2%
Carpool *	101	4.5%	5.7%	34	7.3%	8.0%
Vanpool	1	0.0%	0.0%	1	0.2%	0.0%
Bus	16	0.7%	0.5%	4	0.9%	0.6%
Rail	5	0.2%	0.0%	1	0.2%	0.0%
Bike	61	2.7%	2.4%	24	5.1%	3.5%
Walk	87	3.8%	2.7%	24	5.1%	3.5%
Telework	372	16.4%	22.4%	138	29.6%	29.9%
CWW	2	0.1%	0.5%	2	0.4%	1.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	25	1.1%	0.9%	6	1.3%	1.6%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

**Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:**

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
<b>0 Day</b>	278	55%	505	100%
<b>1 Days</b>	56	11%	227	45%
<b>2 Days</b>	41	8%	171	34%
<b>3 Days</b>	26	5%	130	26%
<b>4 Days</b>	27	5%	104	21%
<b>5 Days</b>	74	15%	77	15%
<b>6 or More Days</b>	3	1%	3	1%

**Count by Occupancy of Carpools and Vanpools**

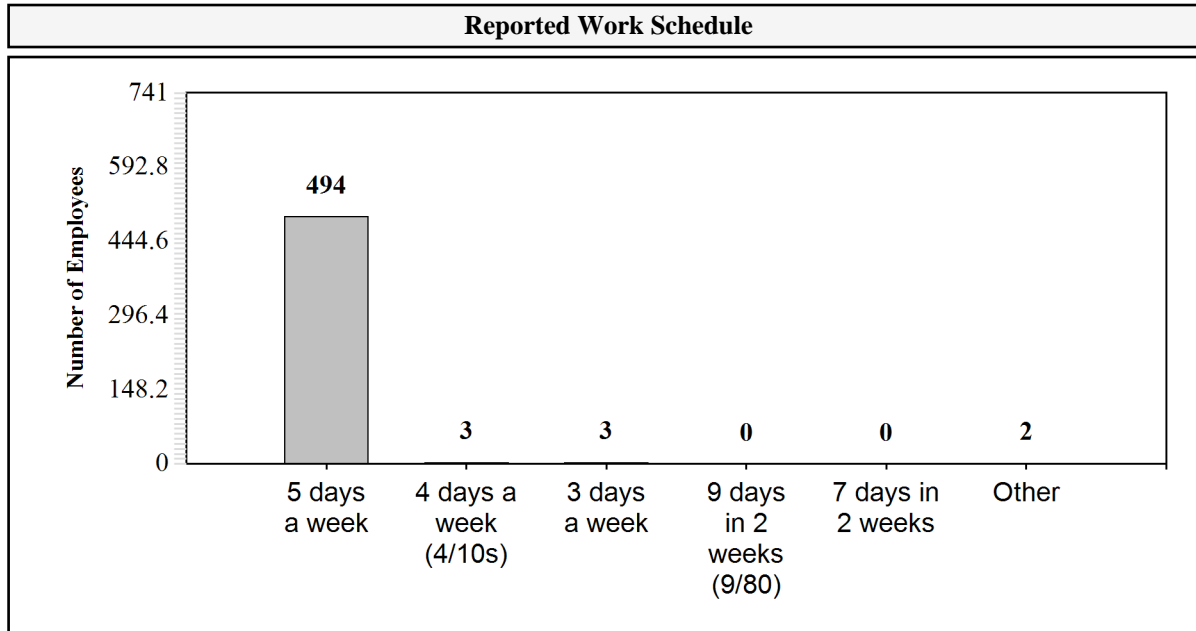
Q.4 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
<b>2*</b>	Carpool	104
<b>3</b>	Carpool	5
<b>4</b>	Carpool	0
<b>5</b>	Carpool	0
<b>&gt;5</b>	Carpool	0
<b>&lt;5</b>	Vanpool	1
<b>5</b>	Vanpool	0
<b>6</b>	Vanpool	0
<b>7</b>	Vanpool	0
<b>8</b>	Vanpool	0
<b>9</b>	Vanpool	0
<b>10</b>	Vanpool	0
<b>11</b>	Vanpool	0
<b>12</b>	Vanpool	0
<b>13</b>	Vanpool	0
<b>14</b>	Vanpool	0
<b>&gt;14</b>	Vanpool	0

\* Motorcycle-2 counted with Carpool-2 for this table.

## Reported Work Schedule - All Employees

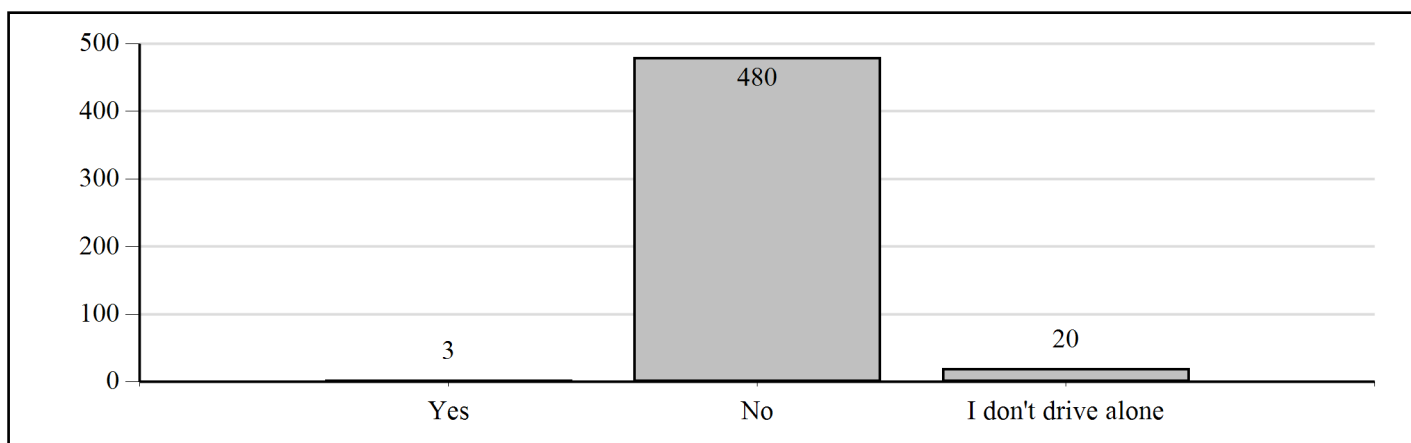
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	494	98.4%
4 days a week (4/10s)	3	0.6%
3 days a week	3	0.6%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	2	0.4%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	4	0.8%
I don't telework	116	23.0%
Occasionally, on an as-needed basis	194	38.4%
1-2 days/month	43	8.5%
1 day/week	46	9.1%
2 days/week	39	7.7%
3 days/week	63	12.5%

## Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I have the option of teleworking	236	24.5%
Personal health or well-being	163	16.9%
Environmental and community benefits	154	16.0%
To save money	122	12.7%
Other	84	8.7%
Financial incentives for carpooling, bicycling or walking.	58	6.0%
Driving myself is not an option	57	5.9%
Preferred/reserved carpool/vanpool parking is provided	25	2.6%
Cost of parking or lack of parking	19	2.0%
Emergency ride home is provided	19	2.0%
Free or subsidized bus, train, vanpool pass or fare benefit	15	1.6%
To save time using the HOV lane	8	0.8%
I receive a financial incentive for giving up my parking space	4	0.4%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	332	27.4%
Riding the bus or train is inconvenient or takes too long	292	24.1%
Family care or similar obligations	169	14.0%
My commute distance is too short	147	12.1%
Other	122	10.1%
Bicycling or walking isn't safe	110	9.1%
I need more information on alternative modes	20	1.7%
My job requires me to use my car for work	13	1.1%
There isn't any secure or covered bicycle parking	6	0.5%

## Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98607	86	17.03%	338	23	0	2	0	0	11	2	40	0	0	0	5
98683	69	13.66%	227	12	0	5	0	0	28	58	7	0	0	0	7
98682	36	7.13%	119	13	0	7	1	0	1	0	31	0	0	0	0
98684	33	6.53%	84	7	0	0	0	0	17	39	21	0	0	0	0
98671	20	3.96%	78	13	0	2	0	0	0	0	10	0	0	0	0
98685	18	3.56%	41	8	0	1	0	0	1	0	35	0	0	0	0
98604	16	3.17%	66	0	0	0	0	0	0	0	5	0	0	0	0
98686	16	3.17%	43	4	1	1	0	0	0	2	15	0	0	0	0
98664	15	2.97%	50	4	0	4	0	0	1	0	15	0	0	0	0
98661	14	2.77%	45	5	0	0	10	0	3	1	5	0	0	0	0
97217	13	2.57%	41	7	0	2	0	0	2	0	13	0	0	0	0
97211	12	2.38%	45	1	0	0	0	0	1	0	6	0	0	0	0
98606	11	2.18%	43	0	0	0	0	0	0	0	7	0	0	0	0
97213	10	1.98%	41	0	0	0	2	0	1	0	6	0	0	0	0
98665	8	1.58%	35	0	0	0	0	0	0	0	6	0	0	0	0
98662	7	1.39%	30	3	0	0	0	0	0	0	1	0	0	0	0
98663	7	1.39%	25	1	0	0	0	0	2	0	3	0	0	0	0
97202	6	1.19%	28	0	0	0	0	0	0	0	2	0	0	0	0
97006	5	0.99%	17	0	0	0	0	0	0	0	5	0	0	0	3
97209	5	0.99%	18	0	0	0	0	0	0	0	7	0	0	0	0
97212	5	0.99%	5	0	0	0	5	0	0	0	15	0	0	0	0
	4	0.79%	10	1	0	0	0	0	0	0	4	0	0	0	5
97201	4	0.79%	7	0	0	0	0	0	4	0	5	0	0	0	0
97214	4	0.79%	15	0	0	0	0	0	0	0	5	0	0	0	0
97229	4	0.79%	5	4	0	0	0	0	0	0	9	0	0	0	0
98660	4	0.79%	17	0	0	0	0	0	1	0	0	0	0	0	0





Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98674	4	0.79%	14	0	0	0	0	0	0	0	5	1	0	0	0
97007	3	0.59%	7	0	0	0	0	0	0	0	5	0	0	0	0
97035	3	0.59%	9	0	0	0	0	0	0	0	6	0	0	0	0
97206	3	0.59%	12	0	0	0	0	0	0	0	3	0	0	0	0
97224	3	0.59%	11	0	0	0	0	0	0	0	4	0	0	0	0
98642	3	0.59%	14	0	0	0	0	0	0	0	1	0	0	0	0
98675	3	0.59%	9	0	0	0	0	0	0	0	7	0	0	0	0
97034	2	0.40%	8	0	0	0	0	0	0	0	2	0	0	0	0
97070	2	0.40%	4	1	0	0	0	0	0	0	5	0	0	0	0
97086	2	0.40%	4	0	0	0	0	0	0	0	6	0	0	0	0
97140	2	0.40%	5	0	0	0	0	0	0	0	5	0	0	0	0
97221	2	0.40%	8	0	0	0	0	0	0	0	2	0	0	0	0
97225	2	0.40%	12	0	0	0	0	0	0	0	0	0	0	0	0
97231	2	0.40%	10	0	0	0	0	0	0	0	0	0	0	0	0
97232	2	0.40%	3	0	0	0	4	0	1	0	0	0	0	0	0
97266	2	0.40%	10	0	0	0	0	0	0	0	0	0	0	0	0
97306	2	0.40%	7	0	0	0	0	0	0	0	3	0	0	0	0
98626	2	0.40%	10	0	0	0	0	0	0	0	0	0	0	0	0
97009	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
97023	1	0.20%	0	0	0	5	0	0	0	0	0	0	0	0	0
97027	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
97030	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
97031	1	0.20%	2	0	0	0	0	0	0	0	3	0	0	0	0
97045	1	0.20%	4	0	0	0	0	0	0	0	1	0	0	0	0
97056	1	0.20%	1	0	0	1	0	0	0	0	0	0	0	0	0
97062	1	0.20%	0	0	0	0	0	0	0	0	1	0	0	0	0
97068	1	0.20%	0	0	0	0	0	0	0	0	4	0	0	0	0
97080	1	0.20%	6	0	0	0	0	0	0	0	0	0	0	0	0
97124	1	0.20%	0	0	0	0	0	0	0	0	7	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
97203	1	0.20%	2	0	0	0	0	0	0	0	3	0	0	0	0
97210	1	0.20%	2	0	0	0	0	0	0	0	3	0	0	0	0
97215	1	0.20%	0	0	0	0	0	0	0	0	0	0	0	0	5
97218	1	0.20%	4	0	0	0	0	0	0	0	0	1	0	0	0
97219	1	0.20%	3	0	0	0	0	0	0	0	2	0	0	0	0
97223	1	0.20%	4	0	0	0	0	0	0	0	0	0	0	0	0
97227	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
97230	1	0.20%	7	0	0	0	0	0	0	0	0	0	0	0	0
97233	1	0.20%	0	0	0	0	0	5	0	0	0	0	0	0	0
97321	1	0.20%	4	1	0	0	0	0	0	0	0	0	0	0	0
97355	1	0.20%	0	0	0	0	0	0	0	0	0	0	0	0	0
98004	1	0.20%	0	0	0	0	0	0	0	0	5	0	0	0	0
98006	1	0.20%	0	0	0	0	0	0	0	0	4	0	0	0	0
98199	1	0.20%	0	0	0	0	0	0	0	0	5	0	0	0	0
98601	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98605	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98629	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98640	1	0.20%	0	0	0	0	0	0	0	0	5	0	0	0	0